TIMKEN



TIMKEN HELPS SAVE $2.6 MILLION THROUGH DOWNTIME ELIMINATION

CHALLENGE

A Wyoming mining company aimed to address ongoing maintenance challenges in its overland head pulleys. Non-standard undersized pulley shafts required thick cross section adapter sleeves. This design did not allow for the necessary reduction in clearance (RIC) for its bearings, leading to quarterly bearing rotation, annual replacement and, ultimately, costly downtime.

TIMKEN SOLUTION

Our Timken engineering team identified its Timken® SAF mounted split-block pillow block solution, providing adequate RIC without fundamentally altering the design of the application. Our Timken solution delivered five years of performance with no need for maintenance attention.

RESULTS THAT MATTER

- Significantly enhanced bearing performance and life
- Eliminated 34 hours of downtime over five-year period
- $2,655,570 in total savings

DOCUMENTED SAVINGS RECORDED

	Elimination	Savings
Downtime	34 HRS AT $78,000/HR	$2,652,000
Labor	102 HRS AT $35/HR	$3,570



TOTAL RECORDED SAVINGS OF

$2,655,570

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

Stronger. By Design.

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